Environment Canada Environnement Canada

Historical Water Levels Summary

Atlantic Provinces

Sommaire chronologique des niveaux d'eau

Provinces de l'Atlantique

TO/JUSQU'À **1985**

INLAND WATERS/LANDS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1987

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ET DES TERRES
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DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Dartmouth, Nova Scotia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Dartmouth (Nouvelle-Écosse).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean water levels and annual extremes of water levels for lakes and rivers in Newfoundland and Labrador, New Brunswick and Nova Scotia for which water level data to 1985 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Water level data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
5th Floor, Queens Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6
(902 426-5778)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7 (819 997-1508).

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles des niveaux d'eau et des extrêmes annuels de lacs et de cours d'eau de Terre-Neuve, du Labrador, du Nouveau-Brunswick et de la Nouvelle-Écosse, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1985 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur les niveaux d'eau sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queens Square, 5e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6
(902 426-5778)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7 (819 997-1508).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island were conducted by the Water Survey of Canada under individual co-operative arrangements with each provincial government or its agency. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

In Nova Scotia, from 1915 to 1919, hydrometric investigations were conducted by the Dominion Water Power Branch in co-operation with the Nova Scotia Water Power Commission. A similar co-operative arrangement was made in 1918 with the Province of New Brunswick. On May 1, 1919, new agreements were made between the Government of Canada and the Provinces of New Brunswick and Nova Scotia and an initial agreement made with the Province of Prince Edward Island whereby the Dominion Water Power Branch, which later became the Dominion Water and Power Bureau, assumed responsibility for basic water resources investigations in the three provinces. Although these arrangements were terminated on March 31, 1933, work was continued by the Federal Government under letter arrangements with the Provinces of New Brunswick and Nova Scotia. Work was discontinued in the Province of Prince Edward Island in 1933.

A new agreement with the Province of New Brunswick came into effect on April 1, 1951, and in 1961, a further agreement for the extension of hydrometric coverage was concurred in. A new agreement with the Province of Prince Edward Island was made in 1961 and hydrometric records were commenced in August. A co-operative agreement covering hydrometric surveys in Newfoundland and Labrador was ratified by both governments on March 24, 1950.

Co-operative agreements were negotiated with the four provinces (implementation date in each case was April 1, 1975) and signed by Prince Edward Island January 28, 1975, New Brunswick February 24, 1975, Newfoundland and Labrador February 25, 1975, and Nova Scotia April 28, 1975. The agreements provide that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Écosse et dans l'Île du Prince-Édouard en vertu d'accords conclus avec chaque province ou un de ses organismes provinciaux. Les autorités provinciales ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

De 1915 à 1919, la Direction fédérale de l'énergie hydraulique et la *Nova Scotia Water Power Commission* ont entrepris des recherches hydrométriques en Nouvelle-Écosse. La Direction a signé une entente semblable en 1918 avec le Nouveau-Brunswick. Le 1er mai 1919, le gouvernement du Canada a conclu de nouveaux accords avec le Nouveau-Brunswick et la Nouvelle-Écosse et un premier accord avec l'Île du Prince-Édouard, aux termes desquels la Direction fédérale de l'énergie hydraulique, devenue plus tard le Bureau fédéral de l'eau et de l'énergie, assumait la responsabilité des études de base sur les ressources en eau des trois provinces. Les accords ont pris fin le 31 mars 1933; toutefois, en vertu de lettres d'entente, le gouvernement fédéral a continué d'exécuter les observations pour les provinces du Nouveau-Brunswick et de la Nouvelle-Écosse. Il a dû abandonner les recherches relatives à l'Île du Prince-Édouard, en 1933.

Un nouvel accord avec le Nouveau-Brunswick est entré en vigueur le 1er avril 1951, suivi, en 1961, d'un autre qui visait à en élargir la portée. En 1961, le gouvernement fédéral a signé un nouvel accord avec la province de l'Île de Prince-Édouard, et les relevés hydrométriques ont débuté en août de la même année. Les deux paliers de gouvernement ont conclu un accord pour les relevés hydrométriques à Terre-Neuve et au Labrador le 24 mars 1950.

Le gouvernement fédéral a signé des accords (qui sont tous entrés en vigueur le 1er avril 1975) avec l'Île du Prince-Édouard, le 28 janvier 1975; avec le Nouveau-Brunswick, le 24 février 1975; avec la Terre-Neuve et le Labrador, le 25 février 1975; et avec la Nouvelle-Écosse, le 28 avril 1975. Selon les dispositions des accords, le gouvernement fédéral s'occupera du programme de relevés hydrométriques dans chacune des provinces et partagera avec elle le coût des mesures.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies which have contributed data for publication are identified herein under individual stations.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilometre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant

province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLANATION OF HISTORICAL WATER LEVELS SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean water levels. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical water level data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Water Levels Summary publications contain data for both active and discontinued water level stations and do not contain any discharge data. These publications will be published every two years and will contain data for all water level stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic water level data have been obtained, the following are given for the period of record to 1985 inclusive:

1. Summary of monthly and annual mean water levels;
2. Annual maximum instantaneous water levels;
3. Annual maximum and minimum daily water levels;
4. Identification of the extreme recorded for the period of record;
5. Datum to which water levels are referred.

The following standard symbols are used opposite the daily stage to which they apply. These symbols will not appear opposite the monthly and annual mean water levels, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DES NIVEAUX D'EAU*

A. Description générale

On trouve les renseignements descriptifs pour une station des relevés des niveaux d'eau, sous l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur les niveau d'eau, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique des niveaux d'eau* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le débit n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés des niveau d'eau pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique des niveaux d'eau, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1985 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;
5. Le plan de référence auquel les niveaux d'eau sont reportés.

Les symboles normalisés donnés ci-après sont inscrits à côté des niveaux d'eau quotidiens auxquels ils se rapportent. Les symboles ne sont fournis ni avec les niveaux d'eau moyens mensuels, ni avec les niveaux d'eau moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical data base after January 1, 1980.

1. *The summary of monthly and annual mean water levels* gives:

   (a) the monthly mean in metres for each month for which there is a complete month of daily water levels. Records of daily water levels for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

   (b) the annual mean water level in metres if there are daily water levels for the complete year;

   (c) the mean of all the monthly means;

   (d) the mean of all the annual means.

2. *The annual maximum instantaneous water level* in metres is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily water levels* in metres are given for each year where daily water levels have been obtained for the entire year or where they are considered to be valid for the year even though some daily water levels are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The datum to which the water levels are referred* is shown following both the "Summary of Monthly and Annual Mean Water Levels" table; and the "Annual Extremes of Water Levels" table. If the water levels are referenced to a second datum, this datum is also shown with the conversion factor.

   Occasionally, the water level records at a station are collected for two or more periods for which the water levels cannot be referenced to a common datum. In this case, the datum to which the water levels are referred is shown following each period, and a message is printed at the bottom of the tables, indicating that the water levels are referred to several unrelated datums.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des après le 1er janvier 1980.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean water levels) donne:

   (a) la moyenne mensuelle, exprimée en mètres, des valeurs quotidiennes des niveaux d'eau pour le mois entier. Pour les stations où on n'a mesuré les niveaux d'eau quotidiens que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

   (b) la moyenne annuelle, en mètres, pour les stations où on a obtenu des relevés quotidiens pour une année entière;

   (c) la moyenne de toutes les moyennes mensuelles;

   (d) la moyenne de toutes les moyennes annuelles.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous water level), exprimées en mètres, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant les niveaux quotidiens.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily water levels), exprimées en mètres, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière, les valeurs sont fournies si elles sont valables pour l'année en cause.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le plan de référence auquel les niveaux d'eau* sont reportés est fourni à la suite de l'extrait des moyennes mensuelles et annuelles et du tableau des valeurs extrêmes. Si les niveaux d'eau ont trait à un deuxième plan de référence, ce dernier est également indiqué même que la constante de conversion.

   Il arrive que les relevés des niveaux d'eau effectués à une station s'appliquent à plus d'une période d'observation de sorte qu'ils ne peuvent être reportés à un même plan de référence. En pareil cas, le plan de référence auquel les niveaux d'eau sont reportés est fourni pour chacune des périodes d'observation et un message imprimé à la suite des tableaux indique que les niveaux d'eau ont trait à plusieurs plans de référence différents.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1983, are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data (water level data) referred to herein depends upon the type of gauge, stability of gauge, accuracy of observation, measurement of reference datum, computation procedures and interpretation of records. Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A and E. In general, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only (especially for small or flashy streams) or those obtained by estimation.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1983 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques (données sur le niveau des eaux) dont on parle ici, sont basés sur le type de jauge, la stabilité de la jauge, la précision des observations, la mesure de la donnée de référence, l'évaluation des procédés et l'interprétation des chiffres. À cause de toutes ces variables, on a normalisé, pour des fins d'uniformité de présentation, le nombre de chiffres significatifs, mais ceci ne reflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A et E. En général, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus exactes que celles qui sont obtenues par estimation ou qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

WATER LEVEL DATA / DONNÉES SUR LES NIVEAUX D'EAU

NEWFOUNDLAND AND LABRADOR

CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS - STATION NO. 03OE007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	4.017	---	---	---	1980
1982	---	---	---	---	---	---	---	---	---	3.510	3.871	---	---	1982
1983	---	---	---	5.986	5.894	3.913	---	3.589	3.676	3.967	4.145	5.463	---	1983
1984	---	---	---	---	---	---	---	---	---	4.065	4.488	---	---	1984
1985	---	---	---	---	---	---	---	---	3.550	3.934	4.527	---	---	1985
MEAN	---	---	---	5.986	5.894	3.913	---	3.589	3.629	3.891	4.258	5.463	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT. 53 14 57 N
LONG 60 48 06 W REGULATED

CHURCHILL RIVER BELOW GULL ISLAND RAPIDS - STATION NO. 03OE006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	4.952	5.026	---	---	5.122	---	---	---	1979
1981	---	---	---	---	---	---	5.085	5.235	4.840	5.074	5.129	5.174	---	1981
1983	---	---	---	---	---	---	---	4.662	4.754	---	---	---	---	1983
1984	---	---	---	---	5.792	5.514	4.970	4.727	4.894	4.988	5.018	---	---	1984
1985	---	---	---	4.801	---	---	4.772	4.690	4.597	---	---	---	---	1985
MEAN	---	---	---	4.801	5.792	5.233	5.284	4.831	4.796	5.058	5.074	5.174	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 52 56 21 N
LONG 61 26 15 W REGULATED

CHURCHILL RIVER BELOW GULL ISLAND RAPIDS - STATION NO. 03OE006

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1979	---	---	---	1979
1981	---	---	---	1981
1983	---	---	---	1983
1984	---	---	4.639 ON AUG 16 *	1984
1985	---	---	---	1985

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS - STATION NO. 03OE004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0.805	---	2.131	---	1978
1979	---	6.550	6.859	6.291	---	-1.002	-1.275	0.879	-0.038	0.256	0.919	2.316	---	1979
1980	2.079	---	---	---	---	1.200	1.026	0.337	---	---	---	---	---	1980
MEAN	2.079	6.550	6.859	6.291	---	0.099	-0.125	0.608	-0.038	0.532	0.919	2.224	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 2.010 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 45 N
LONG 60 42 38 W REGULATED

REMARKS - GSC DATUM ESTABLISHED BY S.N.C.-LAVLIN NFLD. LTD IN 1979

NEWFOUNDLAND AND LABRADOR

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	1.095	0.878	0.828	---	1978
1979	2.594	2.670	---	---	---	---	---	---	---	---	1.075	---	---	1979
1980	---	2.892	---	---	---	---	1.223	0.875	0.590	0.884	0.823	---	---	1980
1981	---	4.330	1.444	---	---	1.906	---	---	---	1.019	1.048	1.003	---	1981
1982	---	---	---	---	---	---	1.009	0.837	0.450	*0.088	0.098	---	---	1982
1983	---	---	---	0.830	2.220	0.848	0.483	0.239	---	0.822	0.773	0.878	---	1983
1984	---	---	---	---	---	1.558	0.788	0.370	0.763	0.843	0.858	0.881	---	1984
1985	---	---	---	---	---	---	---	---	0.088	0.818	0.383	0.147	---	1985
MEAN	2.594	3.384	1.444	0.830	2.220	1.471	0.870	0.478	0.485	0.899	0.880	0.702	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 9.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 39 N
LONG 60 46 24 W REGULATED

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	5.177 ON FEB 18 *	0.335A ON SEP 13	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	0.214 ON AUG 29 *	1984
1985	---	---	---	1985

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 9.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	449.17	449.05	448.52	448.28	448.05	448.78	449.48	449.52	449.39	449.54	449.55	449.50	449.07	1955
1956	449.65	449.70	449.55	449.53	448.72	448.61	449.17	449.48	449.54	449.53	449.54	449.50	449.41	1956
1957	449.53	449.59	---	449.53	448.89	448.78	449.53	449.56	449.57	449.55	449.50	449.70	---	1957
1958	449.72	449.72	449.70	449.63	449.49	449.65	449.59	449.61	449.61	449.62	449.63	449.62	449.62	1958
1959	449.67	449.61	449.38	449.09	449.37	449.50	449.64	449.63	449.66	449.73	449.76	449.76	449.56	1959
1960	449.76	449.76	449.58	449.21	449.23	449.09	449.59	449.61	449.62	449.60	449.70	449.73	449.54	1960
1961	449.75	449.52	448.85	448.36	448.91	449.58	449.58	449.63	449.68	449.75	449.75	449.70	449.42	1961
1962	449.71	449.48	448.89	448.37	448.49	449.65	449.68	449.67	449.71	449.66	449.79	449.68	449.40	1962
1963	449.67	449.38	449.10	448.69	448.51	449.58	449.59	449.59	449.68	449.74	449.78	449.85	449.42	1963
1964	449.78	449.44	448.92	448.39	449.00	449.58	449.54	449.62	449.62	449.66	449.79	449.85	449.43	1964
1965	449.81	449.61	449.12	448.35	448.33	449.57	449.65	449.62	449.69	449.65	449.78	449.80	449.41	1965
1966	449.80	449.63	449.64	449.05	449.00	449.64	449.69	449.68	449.67	449.67	449.78	449.81	449.60	1966
1967	449.83	449.68	449.48	448.92	448.89	449.49	449.51	449.63	449.65	449.70	449.87	449.77	449.62	1967
MEAN	449.68	449.56	449.23	448.85	448.84	449.38	449.58	449.60	449.62	449.65	449.76	449.73	449.49	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 54 27 18 N
LONG 66 37 30 W REGULATED

DATA CONTRIBUTED BY -
IRON ORE COMPANY OF CANADA LIMITED

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1955	---	450.49 ON NOV 24 *	447.99 ON MAY 16	1955
1956	---	449.78 ON APR 24	448.63 ON MAY 20	1956
1957	---	---	---	1957
1958	---	449.78 ON JAN 25	449.42 ON MAY 9	1958
1959	---	449.85 ON NOV 15	448.93 ON MAY 3	1959
1960	---	449.79 ON FEB 3	448.17 ON JUN 13	1960
1961	---	449.83 ON SEP 28	448.17 ON APR 30	1961
1962	---	449.82 ON OCT 31	447.96 ON MAY 17	1962
1963	---	449.88 ON DEC 28	447.99 ON MAY 13	1963
1964	---	449.88 ON JAN 1	448.17 ON APR 29	1964
1965	---	449.85 ON JAN 1	447.87 ON MAY 7 *	1965
1966	---	449.85 ON FEB 8	448.81 ON MAY 11	1966
1967	---	449.85 ON JAN 1	448.45 ON MAY 4	1967

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AD010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	1.196	---	---	---	---	---	---	---	---	---	---	---	1980
1981	1.287	---	---	---	---	1.973	1.489	1.934	---	2.131	2.480	---	---	1981
1982	---	1.312	1.212	2.883	---	1.459	1.248	1.250	1.478	1.288	1.743	1.811	---	1982
1983	1.469	1.356	1.840	3.163	3.509	2.253	1.227	1.118	0.886	1.063	1.706	2.699	1.868	1983
1984	1.411	1.525	1.594	3.115	4.027	2.734	2.350	1.434	1.090	0.952	1.155	1.272	1.886	1984
1985	---	---	1.278	1.960	2.789	---	---	---	---	---	---	1.178	---	1985
MEAN	1.389	1.337	1.499	2.785	3.435	2.105	1.581	1.434	1.184	1.359	1.787	1.740	1.877	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 54 30 N
LONG 65 15 31 W REGULATED

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AD010

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	2.591 AT 0200 AST ON APR 19	3.573 ON APR 19	---	1980
1981	4.368 AT 1358 AST ON APR 12	4.383 ON APR 12	1.088 ON FEB 2	1981
1982	5.009 AT 0502 AST ON MAY 1	---	---	1982
1983	5.140 AT 1301 AST ON APR 29 *	5.120 ON APR 29 *	0.896 ON SEP 20	1983
1984	5.085 AT 0322 AST ON MAY 4	5.080 ON MAY 4	0.887 ON NOV 7 *	1984
1985	2.183 AT 1341 AST ON MAY 7	3.148 ON MAY 7	---	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND FALLS FLOWAGE AT GRAND FALLS - STATION NO. 01AR013

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	81.885	81.857	81.858	81.842	81.950	81.778	81.884	81.815	81.887	---	1980
1981	81.777	81.944	81.784	81.945	81.871	81.901	81.829	81.875	81.695	81.574	81.914	81.935	81.836	1981
1982	81.905	81.814	81.695	81.718	81.715	81.921	81.787	81.684	81.684	81.448	81.725	81.885	81.727	1982
1983	81.780	81.649	81.736	81.846	81.865	81.837	81.779	81.557	81.700	81.478	81.490	81.901	81.717	1983
1984	81.798	81.890	81.818	81.816	81.783	81.918	81.810	81.817	81.719	81.363	81.422	81.535	81.732	1984
1985	81.516	81.317	81.615	81.499	81.578	81.617	81.583	81.854	81.546	81.498	81.579	81.438	81.538	1985
MEAN	81.781	81.723	81.690	81.784	81.778	81.842	81.802	81.753	81.687	81.537	81.658	81.760	81.710	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 16 30 N
LONG 67 29 46 W REGULATED

REMARKS - PUBLISHED UNDER THE NAME "GRAND FALLS LAKE AT GRAND FALLS" TO 1985

GRAND FALLS FLOWAGE AT GRAND FALLS - STATION NO. 01AR013

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	83.131 AT 1731 EST ON APR 13	82.118 ON APR 13	---	1980
1981	82.289 AT 0710 EST ON SEP 26 *	82.289 ON SEP 26 *	81.345 ON OCT 18	1981
1982	82.030 AT 1830 EST ON JAN 8	82.027 ON JAN 9	81.295 ON NOV 1	1982
1983	82.080 AT 1206 EST ON NOV 26	82.034 ON NOV 26	81.172 ON NOV 5 *	1983
1984	---	82.070 ON FEB 17	81.251 ON OCT 13	1984
1985	81.980 AT 2234 EST ON MAR 17	81.975 ON MAR 17	81.250 ON FEB 15	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT FOREST CITY - STATION NO. 01AR003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	131.242	131.181	131.100	131.503	132.105	132.212	---	131.917	131.579	131.441	131.556	131.563	---	1969
1970	131.533	131.707	131.786	132.079	132.473	132.380	132.250	132.137	131.974	131.789	131.604	131.530	131.927	1970
1971	131.372	131.341	131.401	131.679	132.368	133.273	132.067	131.774	131.337	131.027	130.803	130.667	131.536	1971
1972	130.933	130.909	130.886	131.325	132.078	132.431	132.301	132.018	131.780	131.461	131.482	---	---	1972
1973	131.805	---	---	132.010	132.498	132.456	132.302	132.320	132.080	131.871	131.646	131.635	---	1973
1974	---	131.707	131.815	131.910	132.415	132.487	132.423	132.173	131.857	131.494	131.379	131.564	---	1974
1975	131.621	131.589	131.559	131.706	132.157	132.299	132.105	131.751	131.516	131.272	131.289	131.493	131.859	1975
1976	131.576	131.805	131.973	132.403	132.518	132.353	132.182	132.228	131.946	131.711	131.691	131.678	132.047	1976
1977	131.787	131.652	131.572	131.915	132.180	132.398	132.269	131.995	131.728	131.784	131.688	131.927	131.929	1977
1978	132.101	131.861	131.613	131.561	132.050	131.971	131.818	131.653	131.469	131.333	131.246	131.189	131.839	1978
1979	131.401	131.619	131.909	132.352	132.465	132.409	132.145	132.027	131.958	131.858	131.954	131.979	132.008	1979
1980	131.971	131.803	131.705	132.023	132.336	132.318	132.222	132.158	131.950	131.790	131.677	132.176	132.029	1980
1981	131.884	131.974	132.141	132.379	132.363	132.204	132.027	131.813	131.793	132.119	132.281	132.220	132.119	1981
1982	131.934	131.704	131.470	131.881	132.210	132.068	131.919	131.854	131.715	131.462	131.910	131.783	131.782	1982
1983	131.835	131.822	131.906	132.336	132.398	132.744	132.223	132.158	131.718	131.323	131.323	132.012	131.952	1983
1984	131.966	131.656	131.617	131.932	132.432	132.439	132.394	132.136	131.873	131.486	131.263	131.261	131.871	1984
1985	131.220	131.147	131.259	131.542	131.675	131.693	131.706	131.612	131.433	131.249	131.227	131.287	131.421	1985
MEAN	131.644	131.599	131.589	131.915	132.277	132.282	132.149	131.983	131.780	131.548	131.543	131.658	131.844	MEAN

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

LOCATION - LAT 45 39 54 N
LONG 67 44 10 W REGULATED

REMARKS - PUBLISHED UNDER THE NAME "EAST GRAND LAKE AT FOREST CITY" TO 1985

GRAND LAKE AT FOREST CITY - STATION NO. 01AR003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	132.241 AT 2047 EST ON JUN 16	132.237 ON JUN 17	131.056 ON MAR 21	1969
1970	132.582 AT 2325 EST ON MAY 16 *	132.573 ON MAY 16 *	131.462 ON FEB 2	1970
1971	132.430 AT 1003 EST ON MAY 10	132.423 ON MAY 9	130.650 ON NOV 25 *	1971
1972	132.484 AT 0127 EST ON JUN 16	132.481 ON JUN 16	130.889 ON FEB 13	1972
1973	132.536 AT 0734 EST ON MAY 23	132.533 ON MAY 3	131.486 ON OCT 30	1973
1974	132.539 AT 1336 EST ON JUN 23	132.530 ON JUN 22	131.241 ON NOV 30	1974
1975	132.381 AT 1359 EST ON JUN 20	132.378 ON JUN 20	131.198 ON NOV 10	1975
1976	132.582 AT 0043 EST ON MAY 21	132.573 ON MAY 21	131.565 ON JAN 25	1976
1977	132.570 AT 1085 EST ON JUN 22	132.564 ON JUN 22	131.533E ON MAR 13	1977
1978	---	132.164A ON JAN 16	131.171 ON DEC 17	1978
1979	132.536 AT 2322 EST ON JUN 1	132.531 ON JUN 1	131.187 ON JAN 1	1979
1980	132.388 AT 1844 EST ON MAY 22	132.385 ON MAY 20	131.988 ON MAR 17	1980
1981	133.512 AT 1900 EST ON APR 12	132.504 ON APR 12	131.844 ON SEP 18	1981
1982	133.305 AT 2228 EST ON APR 28	133.305 ON APR 28	131.356 ON NOV 4	1982
1983	132.520 AT 0255 EST ON APR 26	132.517 ON APR 26	131.195 ON NOV 2	1983
1984	132.572 AT 1400 EST ON JUN 3	132.571 ON JUN 3	131.230 ON NOV 10	1984
1985	131.745 AT 1015 EST ON JUL 17	131.741 ON JUL 17	131.112 ON NOV 5	1985

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

A - MANUAL GAUGE E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AD003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.132	1.432	0.945	0.885	0.835	1.207	1.318	1.267	---	1965
1966	1.068	1.116	1.577	3.480	3.588	1.529	1.007	---	---	1.230	1.627	1.481	---	1966
1967	1.208	1.020	1.015	---	---	1.838	1.231	1.014	1.360	1.609	1.280	1.676	---	1967
1968	1.177	1.508	1.459	3.635	2.208	1.142	1.018	0.834	0.777	0.884	1.176	1.503	1.430	1968
1969	1.084	1.071	1.123	3.410	3.859	1.916	1.243	1.190	1.421	1.267	---	---	---	1969
1970	1.469	1.877	1.176	1.951	3.508	1.897	1.384	1.225	1.202	1.783	1.894	1.306	1.701	1970
1971	1.108	1.389	1.444	2.939	---	---	1.074	1.002	1.311	1.184	1.082	1.053	---	1971
1972	1.109	0.893	1.302	1.986	4.445	2.444	1.475	---	1.307	1.531	1.850	1.719	---	1972
1973	1.470	1.919	2.015	3.171	4.192	2.119	1.821	1.476	1.076	0.885	---	---	---	1973
1974	1.830	1.262	1.544	2.224	4.303	2.102	1.505	1.058	0.976	1.301	1.068	1.872	1.783	1974
1975	1.221	1.054	1.260	2.148	3.715	2.155	1.125	0.976	0.894	0.896	1.542	1.649	1.555	1975
1976	1.387	2.091	1.820	4.038	3.515	1.774	1.568	1.882	1.487	1.995	2.046	1.384	2.057	1976
1977	1.354	1.108	1.425	3.336	3.592	2.436	1.495	1.128	1.082	2.480	1.802	---	---	1977
1978	---	---	1.378	2.430	3.781	1.710	1.310	0.838	0.886	1.016	1.031	0.972	---	1978
1979	1.877	1.869	2.894	3.474	3.807	2.270	1.188	1.216	1.887	1.516	1.728	1.478	2.008	1979
1980	1.403	1.010	1.145	2.588	2.351	1.271	1.353	1.443	1.222	1.773	1.581	1.643	1.591	1980
1981	1.207	2.007	2.057	3.271	3.393	1.916	1.468	1.893	1.440	2.116	2.352	2.080	2.019	1981
1982	---	---	1.252	2.851	3.383	1.598	1.184	1.178	1.421	1.240	1.700	1.758	---	1982
1983	1.442	1.333	1.813	3.146	3.464	2.214	1.184	1.106	0.978	1.056	1.702	2.661	1.648	1983
1984	1.422	1.571	1.635	3.248	4.036	2.744	2.310	1.380	1.052	0.907	1.106	1.171	1.883	1984
1985	1.058	0.980	1.319	1.944	3.717	1.848	1.525	1.148	0.885	0.956	1.135	1.181	1.366	1985
MEAN	1.311	1.388	1.603	2.787	3.367	1.908	1.342	1.208	1.181	1.382	1.527	1.549	1.748	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 03 37 N
LONG 66 00 13 W REGULATED

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AD003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	4.292 ON APR 22	0.619 ON OCT 17 *	1968
1969	---	4.469 ON MAY 14	0.861 ON SEP 8	1969
1970	4.265 AT 1826 AST ON MAY 5	4.267 ON MAY 5	0.973 ON MAR 21	1970
1971	4.590 AT 1820 AST ON MAY 6	4.576 ON MAY 6	0.881 ON AUG 3	1971
1972	5.224 AT 1656 AST ON MAY 20	5.216 ON MAY 20	0.744 ON FEB 13	1972
1973	5.453 AT 1850 AST ON MAY 2 *	5.440 ON MAY 2 *	0.789 ON OCT 6	1973
1974	5.032 AT 1104 AST ON MAY 5	5.030 ON MAY 5	0.847 ON SEP 3	1974
1975	4.349 AT 1846 AST ON MAY 14	4.334 ON MAY 14	0.680 ON SEP 2	1975
1976	4.810 AT 1811 AST ON APR 4	4.762 ON APR 4	1.061 ON JAN 14	1976
1977	4.865 AT 1827 AST ON APR 28	4.855 ON APR 29	0.823 ON SEP 12	1977
1978	4.523 AT 1641 AST ON MAY 13	4.511 ON MAY 13	0.763 ON OCT 3	1978
1979	5.578 AT 0630 AST ON MAY 3	5.559 ON MAY 3	0.989 ON JAN 1	1979
1980	3.536 AT 1448 AST ON APR 19	3.527 ON APR 19	0.780 ON MAR 16	1980
1981	4.335 AT 1133 AST ON APR 12	4.330 ON APR 12	0.895 ON FEB 2	1981
1982	4.956 AT 1600 AST ON MAY 1	---	---	1982
1983	5.127 AT 1854 AST ON APR 28	5.114 ON APR 28	0.670 ON SEP 16	1983
1984	5.195 AT 1203 AST ON MAY 3	5.181 ON MAY 3	0.823 ON OCT 16	1984
1985	3.117 AT 1024 AST ON MAY 7	3.084 ON MAY 6	0.715 ON NOV 5	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JEMSEG RIVER AT JEMSEG - STATION NO. 01AD004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	2.464	2.505	1.485	---	---	---	1.130	---	---	---	1966
1967	---	1.090	1.015	---	2.532	1.664	---	1.027	1.030	1.490	1.364	1.704	---	1967
1968	---	---	1.357	---	---	---	0.966	0.841	0.780	0.873	---	---	---	1968
1969	---	---	1.299	2.697	---	1.916	1.216	---	1.487	1.235	---	---	---	1969
1970	---	---	1.189	1.897	---	---	1.303	---	1.212	1.490	1.668	1.227	---	1970
1971	1.143	1.363	1.455	2.633	2.706	1.461	1.072	1.017	1.315	1.193	1.119	1.046	1.649	1971
1972	1.067	1.017	1.349	2.000	---	---	1.476	1.339	1.311	---	---	1.700	---	1972
1973	1.476	---	2.021	3.172	4.127	---	---	---	1.118	0.994	---	2.201	---	1973
1974	---	---	1.594	---	4.298	2.060	1.497	1.076	1.010	1.172	1.150	1.893	---	1974
1975	1.295	1.076	1.286	2.189	2.710	2.148	1.129	0.982	0.910	1.019	1.504	1.932	1.586	1975
1976	1.287	2.076	1.846	4.005	2.906	1.763	1.649	1.897	1.476	2.009	2.033	1.796	2.087	1976
1977	1.384	1.106	1.443	3.361	2.956	2.443	1.466	1.143	1.116	2.409	1.909	---	---	1977
1978	---	---	1.306	2.455	2.763	1.862	1.217	0.994	0.912	1.039	1.035	0.919	---	1978
1979	1.676	1.673	2.735	3.470	3.861	2.247	1.186	1.222	1.074	1.430	1.733	1.481	2.008	1979
1980	1.612	1.039	1.176	2.706	2.366	1.264	1.260	1.443	1.229	1.789	1.981	1.861	1.800	1980
1981	1.306	2.021	2.040	3.241	2.359	1.899	1.458	1.924	1.451	2.105	2.372	2.089	2.012	1981
1982	---	---	1.290	2.619	3.332	1.403	1.127	1.181	1.415	1.244	1.709	1.759	---	1982
1983	1.456	1.236	1.825	3.150	3.423	2.181	1.210	1.118	0.987	1.080	1.747	2.043	1.880	1983
1984	1.416	1.563	1.932	3.296	3.999	2.080	2.249	1.392	1.038	0.908	1.095	1.130	1.860	1984
1985	1.061	0.990	1.236	1.934	2.869	1.036	1.499	1.136	0.863	0.968	1.200	---	---	1985
MEAN	1.316	1.363	1.617	2.763	3.007	1.903	1.366	1.230	1.150	1.387	1.543	1.561	1.613	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 49 46 N
LONG 66 06 58 W REGULATED

JEMSEG RIVER AT JEMSEG - STATION NO. 01AD004

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	4.282 AT 1030 AST ON MAY 5	4.212 ON MAY 6	0.894 ON MAR 20	1970
1971	4.573 AT 1127 AST ON MAY 6	4.567 ON MAY 6	0.888 ON AUG 3	1971
1972	5.200 AT 1154 AST ON MAY 20	5.179 ON MAY 20	0.780 ON FEB 13	1972
1973	5.384 AT 1016 AST ON MAY 2 *	5.360 ON MAY 2 *	0.830 ON OCT 8	1973
1974	5.057 AT 1150 AST ON MAY 5	5.032 ON MAY 5	---	1974
1975	4.348 AT 1243 AST ON MAY 14	4.337 ON MAY 14	0.710 ON SEP 2 *	1975
1976	---	4.822A ON APR 6	1.021 ON JAN 14	1976
1977	4.865 AT 1650 AST ON APR 28	4.865 ON APR 28	0.880 ON SEP 10	1977
1978	4.498 AT 1153 AST ON MAY 13	4.467 ON MAY 13	0.777 ON SEP 30	1978
1979	5.488 AT 0810 AST ON MAY 3	5.461 ON MAY 3	1.005 ON AUG 9	1979
1980	---	3.527E ON APR 19	0.818 ON MAR 13	1980
1981	4.360 AT 0836 AST ON APR 12	4.360 ON APR 12	0.880 ON FEB 2	1981
1982	4.932 AT 1641 AST ON MAY 1	---	---	1982
1983	5.100 AT 1025 AST ON APR 28	5.082 ON APR 29	0.687 ON SEP 19	1983
1984	5.172 AT 2120 AST ON MAY 3	5.153 ON MAY 3	0.830 ON NOV 5	1984
1985	3.104 AT 0854 AST ON MAY 7	3.083 ON MAY 7	0.726 ON NOV 5	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

NEW BRUNSWICK

LAKE UTOPIA AT CANAL - STATION NO. 01AG005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	17.685	---	16.848	16.600	16.862	17.078	---	---	1985
MEAN	---	---	---	---	---	17.685	---	16.848	16.600	16.862	17.078	---	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 09 37 N
LONG 66 45 40 W REGULATED

LAKE UTOPIA AT CANAL - STATION NO. 01AG005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1985	---	---	16.455 ON SEP 9 *	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AG007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	116.107	116.448	116.467	116.486	116.847	116.832	116.581	116.648	116.783	116.853	116.782	116.685	116.602	1979
1980	116.584	116.871	116.887	116.728	116.828	116.642	116.703	116.766	116.616	116.611	116.872	116.963	116.592	1980
1981	116.786	116.885	116.806	116.865	116.764	116.825	116.787	116.732	116.435	116.664	116.895	116.923	116.787	1981
1982	---	---	116.992	116.825	116.508	116.324	116.207	116.346	116.428	115.821	115.860	116.568	---	1982
1983	116.683	116.685	116.683	116.861	116.784	116.715	---	---	---	116.491	116.650	---	---	1983
1984	116.813	116.482	116.466	116.758	116.862	116.664	116.776	116.649	116.111	115.572	115.444	115.508	116.342	1984
1985	115.486	115.406	115.873	116.428	116.763	116.686	116.766	116.560	116.256	115.765	115.816	116.344	116.168	1985
MEAN	116.413	116.315	116.333	116.666	116.726	116.702	116.666	116.613	116.416	116.152	116.182	116.499	116.426	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 43 44 N
LONG 67 11 09 W REGULATED SINCE 1976

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AG007

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1979	117.084 AT 0123 AST ON JUN 2	117.081 ON JUN 2	115.505 ON JAN 1	1979
1980	117.081 AT 0121 AST ON DEC 7	117.069 ON DEC 6	115.613 ON MAR 17	1980
1981	117.109 AT 1753 AST ON APR 11	117.108 ON APR 11	116.185 ON SEP 19	1981
1982	117.104 AT 0610 AST ON APR 28	---	---	1982
1983	117.032 AT 1400 AST ON APR 28	117.026 ON APR 28	115.370 ON NOV 3	1983
1984	117.215 AT 1050 AST ON JUN 4 *	117.207 ON JUN 4 *	115.384 ON NOV 10	1984
1985	116.813 AT 0218 AST ON JUL 13	116.811 ON JUL 13	115.362 ON FEB 12 *	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	135.350	---	---	136.368	135.895	134.828	134.872	134.682	134.907	135.231	134.915	136.150	---	1980
1981	135.547	135.240	135.403	136.569	136.044	135.320	---	---	135.384	135.384	135.871	135.099	---	1981
1982	135.566	135.314	---	---	---	134.864	134.704	---	---	134.779	135.152	136.285	---	1982
1983	135.822	135.481	135.478	137.030	---	136.023	134.789	134.803	134.648	134.736	135.268	136.372	---	1983
1984	136.077	136.179	135.053	137.405	---	---	135.782	134.999	134.686	134.576	134.639	135.308	---	1984
1985	135.205	134.888	135.012	136.104	136.321	136.202	135.161	134.824	134.532	134.787	134.884	135.587	135.205	1985
MEAN	135.595	135.516	135.487	136.813	136.020	135.187	135.062	134.830	134.611	135.076	135.116	135.800	135.205	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 47 21 40 N DRAINAGE AREA, 15 500 km²
LONG 68 19 38 W NATURAL FLOW

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	138.457 AT 1535 AST ON DEC 13	138.120 ON DEC 13	---	1980
1981	139.823 AT 1249 AST ON FEB 25	138.638 ON FEB 26	---	1981
1982	139.622 AT 0814 AST ON APR 29	---	---	1982
1983	141.198 AT 0747 AST ON APR 19 *	141.041 ON APR 19 *	134.377 ON SEP 18 *	1983
1984	140.256 AT 1058 AST ON MAY 2	140.194 ON MAY 2	134.447 ON NOV 4	1984
1985	138.594 AT 2342 AST ON APR 28	138.541 ON APR 28	134.396 ON SEP 27	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1929	---	---	1.16	3.72	4.74	2.11	1.38	0.93	0.76	1.06	1.19	0.86	---	1929
1930	1.39	1.20	1.96	3.49	4.16	2.25	1.82	1.43	1.10	0.88	1.00	1.08	1.82	1930
1931	0.88	0.81	0.86	3.71	2.45	1.89	1.24	0.93	0.99	1.89	2.16	1.29	1.59	1931
1932	1.71	1.23	1.11	4.55	3.35	1.67	1.56	1.50	1.61	2.03	2.82	1.91	2.07	1932
1933	1.15	0.99	0.96	3.42	4.34	2.12	1.42	0.81	1.01	1.50	1.66	1.16	1.72	1933
1934	1.00	1.01	1.32	5.01	4.14	1.85	1.35	1.10	0.82	0.95	1.86	1.97	1.85	1934
1935	1.33	0.92	1.03	3.57	3.85	2.37	1.59	0.90	0.72	0.75	1.02	1.37	1.60	1935
1936	1.31	1.04	3.80	3.73	4.13	2.30	1.24	0.92	1.04	1.59	1.97	1.83	2.06	1936
1937	1.77	1.22	1.25	2.80	3.78	1.95	1.08	1.10	0.95	1.23	2.33	1.81	1.78	1937
1938	1.24	1.31	1.36	3.43	3.53	1.51	1.96	1.40	1.58	1.56	1.43	2.92	1.84	1938
1939	1.53	1.13	1.11	2.33	4.55	1.92	1.48	1.99	1.21	1.68	2.12	2.34	1.86	1939
1940	1.39	1.00	1.02	3.55	4.26	2.48	2.07	1.06	1.38	1.77	2.46	1.94	1.99	1940
1941	1.67	1.33	1.22	3.78	3.26	1.57	1.96	1.20	1.35	1.89	2.38	1.54	1.95	1941
1942	1.53	1.01	1.54	3.12	4.32	2.36	1.39	0.97	0.84	0.94	1.14	1.08	1.69	1942
1943	0.75	0.85	1.04	1.70	4.63	2.56	1.50	1.44	1.26	1.90	2.98	1.31	1.83	1943
1944	0.83	0.74	0.79	1.52	3.20	1.45	1.15	0.98	1.07	2.20	2.35	1.39	1.47	1944
1945	1.62	1.12	1.76	5.03	3.58	1.99	1.92	1.18	1.10	1.77	1.78	1.26	2.01	1945
1946	1.18	1.07	1.87	3.02	4.37	1.62	0.98	0.88	0.78	0.91	1.12	1.38	1.61	1946
1947	1.03	1.63	1.51	3.00	5.17	3.07	1.59	1.28	0.81	0.80	0.89	0.64	1.75	1947
1948	0.80	0.58	0.81	2.86	3.72	1.78	1.05	0.89	0.68	1.07	1.82	1.74	1.47	1948
1949	1.58	0.88	1.07	3.77	2.70	1.68	1.10	0.78	0.89	0.95	1.44	2.05	1.58	1949
1950	2.88	1.89	1.90	3.87	2.89	1.64	1.27	0.80	0.83	0.67	2.04	3.79	2.03	1950
1951	1.64	1.67	1.50	4.60	2.62	1.53	1.89	1.15	1.03	0.88	2.09	2.21	1.91	1951
1952	1.79	1.39	1.28	3.56	4.05	2.70	0.92	0.88	0.57	0.95	0.99	0.98	1.65	1952
1953	0.98	1.51	1.76	4.71	3.16	1.11	0.80	0.64	0.68	0.66	1.17	2.12	1.60	1953
1954	1.16	1.19	1.83	3.72	3.44	2.14	2.19	2.21	2.19	2.45	2.26	2.69	2.29	1954
1955	2.39	2.24	2.50	4.18	4.30	1.90	0.89	1.16	1.03	1.02	1.01	0.87	1.95	1955
1956	1.64	1.23	1.25	3.02	3.92	2.47	1.48	1.21	1.13	1.15	1.38	1.57	1.79	1956
1957	1.25	1.18	1.48	2.84	3.26	1.68	1.84	1.38	1.14	1.10	2.22	3.62	1.84	1957
1958	2.85	1.92	2.02	4.27	4.02	1.95	2.02	2.69	2.02	1.51	1.80	1.62	2.39	1958
1959	1.48	1.34	1.33	3.98	3.48	2.23	1.57	1.38	1.60	1.73	2.87	3.36	2.20	1959
1960	2.04	1.94	1.70	4.27	5.27	1.95	1.42	1.09	1.01	1.069	1.685	1.748	2.099	1960
1961	1.373	1.148	1.206	2.880	6.147	3.360	1.476	1.151	1.772	2.058	1.665	2.034	2.195	1961
1962	1.896	1.222	1.248	3.378	3.128	2.024	2.048	1.990	1.511	1.516	3.216	---	---	1962
1963	---	1.433	1.332	---	5.377	1.978	1.571	1.909	---	---	3.887	3.172	---	1963
1964	1.888	1.534	1.691	3.436	3.433	1.985	1.480	1.293	1.178	1.232	1.428	2.805	1.932	1964
1965	2.338	1.533	1.858	2.322	2.870	1.814	1.109	1.086	1.241	1.859	1.777	1.715	1.779	1965
1966	1.417	1.443	2.224	3.433	3.438	1.778	1.171	1.012	0.970	1.407	2.183	2.027	1.877	1966
1967	1.419	1.280	1.220	2.448	4.671	2.218	1.474	1.233	2.042	2.442	1.631	2.121	2.013	1967
1968	1.537	2.128	2.100	4.967	2.528	1.254	1.068	0.875	0.804	0.953	1.277	1.852	1.756	1968
1969	1.270	---	1.390	3.269	5.347	2.160	---	1.467	2.009	1.473	2.874	2.397	---	1969
1970	1.818	---	1.930	2.816	---	2.263	1.535	1.320	1.449	2.469	1.988	---	---	1970
1971	1.395	1.710	1.822	3.444	4.813	1.624	1.197	1.283	1.671	1.426	1.276	1.223	1.908	1971
1972	1.311	1.234	1.884	2.580	5.677	2.950	1.754	1.586	1.858	1.924	2.366	2.132	2.259	1972
1973	1.933	2.880	3.010	4.556	5.069	2.481	1.875	1.682	1.262	1.155	1.139	2.962	2.493	1973
1974	2.232	1.803	2.145	3.082	5.693	2.443	1.884	1.225	1.163	1.336	1.270	2.197	2.179	1974
1975	1.562	1.317	1.727	2.845	4.854	2.566	1.272	1.080	1.037	1.180	1.788	1.802	1.823	1975
1976	1.620	2.592	2.305	5.462	4.545	1.995	2.109	2.540	1.791	2.713	2.517	1.834	2.668	1976
1977	1.677	1.419	2.077	4.646	4.375	3.007	1.624	1.383	1.334	3.172	2.140	1.848	2.397	1977
1978	2.645	2.145	1.707	3.350	4.773	1.988	1.408	1.057	0.998	1.145	1.155	1.115	1.957	1978
1979	2.061	2.036	3.906	4.508	4.230	2.883	1.332	1.380	1.995	1.759	2.099	1.855	2.485	1979
1980	1.783	1.228	1.454	3.602	2.856	1.448	1.854	1.621	1.480	2.185	1.882	2.273	1.953	1980
1981	1.516	2.908	2.617	4.221	3.068	2.260	1.856	2.637	1.844	2.872	2.870	2.471	2.573	1981
1982	1.740	1.574	1.648	4.015	4.129	1.624	1.317	1.360	1.708	1.457	2.295	2.255	2.093	1982
1983	1.872	1.704	2.339	4.496	4.228	2.648	1.370	1.216	1.104	1.218	2.419	3.296	2.327	1983
1984	1.795	2.070	2.214	4.608	4.942	3.389	2.765	1.570	1.151	1.011	1.327	1.359	2.349	1984
1985	1.247	1.160	1.488	2.784	3.452	2.118	1.772	1.358	0.934	1.097	1.470	1.318	1.885	1985
MEAN	1.584	1.438	1.876	3.590	4.037	2.108	1.517	1.304	1.237	1.478	1.870	1.913	1.989	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 54 N
LONG 66 38 42 W REGULATED

NEW BRUNSWICK

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1929	---	---	---	1929
1930	---	5.82 ON MAY 10	0.84 ON OCT 8	1930
1931	---	4.33 ON APR 4	0.34 ON SEP 8 *	1931
1932	---	7.41 ON APR 10	0.88 ON FEB 20	1932
1933	---	6.22 ON MAY 5	0.58 ON SEP 15	1933
1934	---	7.38 ON APR 22	0.58 ON OCT 4	1934
1935	---	6.55 ON APR 22	0.49 ON FEB 28	1935
1936	---	7.56 ON MAR 21	0.84 ON MAR 12	1936
1937	---	4.63 ON MAY 1	0.73 ON OCT 16	1937
1938	---	4.80 ON APR 23	0.88 ON MAR 10	1938
1939	---	6.58 ON MAY 11	0.94 ON MAR 16	1939
1940	---	6.84 ON APR 15	0.78 ON AUG 27	1940
1941	---	6.74 ON APR 23	0.81 ON SEP 2	1941
1942	---	6.55 ON MAY 6	0.58 ON SEP 6	1942
1943	---	5.76 ON MAY 14	0.58 ON JAN 23	1943
1944	---	4.48 ON MAY 9	0.58 ON MAR 13	1944
1945	---	6.40 ON APR 3	0.70 ON SEP 18	1945
1946	---	5.67 ON APR 29	0.58 ON NOV 5	1946
1947	---	6.74 ON MAY 9	0.34 ON OCT 24	1947
1948	---	4.57 ON MAY 21	0.37 ON MAR 7	1948
1949	---	4.48 ON APR 18	0.52 ON SEP 15	1949
1950	---	5.31 ON APR 22	0.40 ON OCT 8	1950
1951	---	5.67 ON APR 13	0.55 ON SEP 28	1951
1952	---	5.27 ON MAY 1	0.34 ON SEP 15	1952
1953	---	6.07 ON APR 3	0.43 ON AUG 19	1953
1954	---	6.55 ON APR 24	0.88 ON JAN 30	1954
1955	---	6.00 ON MAY 6	0.70 ON DEC 25	1955
1956	---	4.72 ON APR 17	0.85 ON JAN 7	1956
1957	---	5.43 ON DEC 24	0.85 ON OCT 3	1957
1958	---	7.55 ON APR 25	1.22 ON OCT 8	1958
1959	---	5.39 ON NOV 30	0.98 ON JUL 29	1959
1960	---	6.710 ON MAY 16	0.785 ON OCT 16	1960
1961	---	7.413 ON MAY 29	0.920 ON AUG 23	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	5.825 ON APR 18	0.626 ON OCT 15	1964
1965	---	3.618 ON JAN 1	0.817 ON AUG 8	1965
1966	---	4.673 ON APR 25	0.732 ON SEP 11	1966
1967	---	5.316 ON MAY 13	0.969 ON NOV 16	1967
1968	6.114 AT 0830 AST ON APR 21	6.047 ON APR 17	0.613 ON SEP 16	1968
1969	7.279 AT 0800 AST ON MAY 12	6.952 ON MAY 12	0.933 ON SEP 7	1969
1970	6.328 AT 1200 AST ON MAY 4	6.288 ON MAY 4	1.045 ON SEP 2	1970
1971	6.632 AT 2230 AST ON MAY 5	6.582 ON MAY 6	0.839 ON AUG 1	1971
1972	6.868 AT 1619 AST ON MAY 16	6.846 ON MAY 17	0.835 ON FEB 12	1972
1973	8.608 AT 0659 AST ON APR 30 *	8.540A ON APR 30 *	0.786 ON OCT 7	1973
1974	7.426 AT 0312 AST ON MAY 3	7.378 ON MAY 3	0.927 ON SEP 10	1974
1975	6.005 AT 2206 AST ON MAY 6	5.944 ON MAY 6	0.789 ON SEP 1	1975
1976	6.837 AT 1101 AST ON APR 5	6.885 ON APR 5	1.152 ON JAN 11	1976
1977	7.077 AT 1056 AST ON APR 25	7.007 ON APR 25	0.890 ON SEP 11	1977
1978	6.404 AT 0255 AST ON MAY 11	6.376 ON MAY 11	0.788 ON SEP 29	1978
1979	8.062A AT 1400 AST ON APR 30	7.897A ON APR 30	1.005 ON AUG 6	1979
1980	5.386 AT 0852 AST ON APR 16	5.188 ON APR 16	0.910 ON MAR 10	1980
1981	6.026 AT 1715 AST ON APR 11	5.889 ON APR 11	1.128 ON SEP 13	1981
1982	7.151 AT 1353 AST ON APR 29	7.109 ON APR 29	0.978 ON JUL 16	1982
1983	7.333 AT 1614 AST ON APR 19	7.159 ON APR 27	0.810 ON OCT 30	1983
1984	7.116 AT 2114 AST ON MAY 2	7.055 ON MAY 2	0.854 ON OCT 6	1984
1985	4.753 AT 0700 AST ON APR 30	4.667 ON APR 30	0.772 ON SEP 14	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	41.294	42.085	41.958	---	1969
1970	43.492	---	---	43.057	---	---	---	40.884	41.288	42.056	41.585	42.347	---	1970
1971	41.783	---	---	---	---	---	---	41.274	41.559	41.361	41.122	41.894	---	1971
1972	42.083	42.031	42.378	---	44.202	42.117	---	---	41.264	41.838	41.671	---	---	1972
1973	43.047	43.471	43.362	43.626	43.681	41.895	41.527	41.267	41.172	41.128	41.017	42.258	42.262	1973
1974	43.331	42.880	42.814	43.140	44.380	41.513	41.302	41.153	41.066	41.145	41.274	42.682	42.227	1974
1975	42.752	42.286	42.280	42.670	43.676	41.902	41.138	40.816	40.876	41.034	41.288	42.298	41.935	1975
1976	42.347	42.564	42.474	44.358	43.359	41.572	41.749	42.120	41.885	42.148	41.934	42.603	42.416	1976
1977	42.418	---	---	44.034	43.229	41.992	---	---	41.219	42.340	41.852	41.873	---	1977
1978	42.578	42.130	41.738	42.734	43.582	41.605	---	---	40.905	40.825	40.958	41.840	---	1978
1979	42.885	42.259	43.515	---	---	---	---	---	---	---	---	---	---	1979
MEAN	42.840	42.518	42.686	43.376	43.727	41.799	41.429	41.288	41.223	41.487	41.459	42.218	42.218	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 18 22 N
LONG 67 31 57 W REGULATED

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	---	---	---	1969
1970	---	---	---	1970
1971	45.049 AT 1121 AST ON MAY 6	44.984 ON MAY 6	40.758 ON AUG 2	1971
1972	---	45.801 ON MAY 18	41.072 ON SEP 24	1972
1973	47.802 AT 0855 AST ON APR 30	47.747 ON APR 30 *	40.822A ON NOV 19	1973
1974	46.819 AT 0124 AST ON MAY 3	46.388 ON MAY 3	40.740 ON SEP 2	1974
1975	44.857 AT 1658 AST ON MAY 5	44.812 ON MAY 6	40.612 ON AUG 17	1975
1976	47.983 AT 1156 AST ON APR 1 *	47.146 ON APR 1	41.105 ON JUN 27	1976
1977	46.113 AT 2332 AST ON APR 24	45.943 ON APR 25	40.781 ON SEP 5	1977
1978	45.452 AT 2125 AST ON MAY 11	45.245 ON MAY 11	40.805 ON OCT 8 *	1978
1979	45.571 AT 1130 AST ON MAR 27	45.388 ON MAR 27	---	1979

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	40.265	39.986	39.839	39.733	39.709	41.218	---	1973
1974	42.401	41.597	41.766	42.552	43.875	40.843	40.113	39.763	39.899	39.753	39.871	42.186	41.203	1974
1975	42.017	41.548	41.582	42.294	43.038	40.878	39.786	39.479	39.634	39.737	39.991	41.589	40.983	1975
1976	41.448	41.730	41.588	43.833	42.746	40.411	40.823	41.085	40.359	41.205	40.951	41.771	41.477	1976
1977	---	---	41.186	43.393	42.555	41.002	40.041	40.088	39.813	---	---	---	---	1977
1978	---	41.477	40.758	42.044	---	---	39.954	39.496	39.584	---	---	---	---	1978
1979	---	41.534	42.831	42.472	---	41.010	39.900	39.799	40.556	40.081	40.380	---	---	1979
1980	---	---	40.448	42.284	41.118	38.903	40.170	39.986	39.987	40.505	40.147	41.948	---	1980
1981	41.710	42.718	---	---	41.412	40.816	40.074	41.171	---	---	40.979	40.865	---	1981
1982	41.835	40.887	40.733	---	---	---	39.715	39.895	40.087	39.853	40.716	---	---	1982
1983	43.347	42.996	43.096	43.314	42.356	40.986	---	---	39.772	39.853	40.956	42.141	---	1983
1984	42.512	41.987	42.088	43.589	43.028	41.582	41.287	40.806	40.284	40.426	40.856	---	---	1984
1985	41.805	40.932	40.880	41.829	41.858	40.517	40.720	40.422	40.352	40.548	40.796	41.933	41.036	1985
MEAN	42.110	41.752	41.551	42.758	42.442	40.785	40.221	40.121	40.006	40.170	40.457	41.705	41.170	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 17 54 N
LONG 67 31 45 W REGULATED

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ006

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1973	---	---	---	1973
1974	46.088 AT 0204 AST ON MAY 3	45.939 ON MAY 3	39.398 ON AUG 18	1974
1975	44.345A AT 1718 AST ON MAY 5	44.345A ON MAY 5	39.213 ON AUG 17	1975
1976	47.883 AT 1828 AST ON APR 1 *	47.122 ON APR 1 *	39.822 ON JUN 28	1976
1977	45.513 AT 2347 AST ON APR 24	45.342 ON APR 25	39.401 ON SEP 5	1977
1978	45.251 AT 1429 AST ON APR 22	44.824 ON MAY 9	39.139 ON AUG 21 *	1978
1979	47.188 AT 2255 AST ON APR 30	46.950 ON MAY 1	39.405 ON OCT 7	1979
1980	44.214 AT 1457 AST ON DEC 19	44.004 ON DEC 19	---	1980
1981	46.830 AT 2235 AST ON FEB 26	45.837 ON FEB 26	39.484 ON AUG 2	1981
1982	45.810 AT 1720 AST ON APR 28	---	---	1982
1983	48.190 AT 2356 AST ON APR 19	---	---	1983
1984	45.470 AT 1852 AST ON MAY 3	45.357 ON MAY 3	39.886 ON SEP 20	1984
1985	43.936 AT 1158 AST ON APR 29	43.905 ON APR 29	39.983 ON AUG 17	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	3.825	3.814	4.488	4.062	4.354	---	1980
1981	3.836	4.809	4.561	---	---	---	3.900	5.003	4.147	5.281	4.981	4.424	---	1981
1982	3.849	3.783	3.703	5.824	6.110	3.748	3.385	3.477	3.885	3.687	4.610	4.318	4.230	1982
1983	4.002	3.784	4.285	6.861	6.204	4.771	3.602	3.800	3.440	3.580	4.888	5.070	4.481	1983
1984	3.870	3.985	3.991	6.821	6.859	5.481	4.979	3.630	3.408	3.302	3.638	3.818	4.481	1984
1985	3.565	3.411	3.687	5.335	6.639	4.192	4.176	3.700	3.315	3.457	3.783	3.551	3.987	1985
MEAN	3.845	3.946	4.041	6.136	6.203	4.543	4.008	3.889	3.682	3.958	4.330	4.223	4.267	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 24 N
LONG 66 51 53 W REGULATED

NEW BRUNSWICK

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK009

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	---	---	---	1980
1981	8.257 AT 1635 AST ON APR 11	8.041 ON APR 11	3.035 ON SEP 7	1981
1982	9.410 AT 0419 AST ON APR 28	9.286 ON APR 28	2.933 ON JUL 11 *	1982
1983	9.983 AT 1017 AST ON APR 19 *	9.729 ON APR 19 *	2.988 ON MAR 6	1983
1984	9.126 AT 1924 AST ON MAY 2	9.073 ON MAY 2	2.995 ON DEC 9	1984
1985	7.742 AT 2346 AST ON APR 28	7.493 ON APR 28	3.039 ON NOV 2	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AD002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.465	1.540	0.976	0.952	1.063	1.411	---	---	---	1965
1966	---	---	1.863	---	---	1.580	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	---	---	---	---	---	---	1967
1968	1.278	1.784	---	4.404	2.335	1.197	---	---	1.584	2.144	---	1.899	---	1968
1969	---	---	---	2.895	4.686	1.994	1.255	1.346	1.759	1.381	2.371	---	---	1969
1970	---	---	---	---	4.017	2.019	---	---	---	---	1.817	2.185	---	1970
1971	---	---	---	---	---	1.547	1.131	1.161	1.485	1.303	1.206	---	---	1971
1972	1.212	1.118	1.832	2.344	5.128	2.696	1.619	1.475	1.483	---	---	1.142	---	1972
1973	1.728	2.327	2.619	3.938	4.630	2.295	---	1.630	1.222	1.083	1.085	---	---	1973
1974	---	---	---	2.734	---	---	---	1.145	1.080	1.267	---	2.670	---	1974
1975	---	---	---	2.515	4.324	2.183	1.187	1.009	0.954	1.088	1.683	---	---	1975
1976	---	---	---	4.841	4.082	1.857	1.892	---	---	2.384	2.265	---	---	1976
1977	1.478	---	---	---	4.001	2.734	1.538	1.265	1.230	2.844	1.875	---	---	1977
1978	2.382	1.950	1.505	2.974	4.318	1.831	1.319	1.015	0.853	1.085	1.111	1.077	1.791	1978
1979	1.945	1.862	3.473	4.053	3.929	2.488	1.420	1.368	1.793	1.651	1.921	1.686	2.300	1979
1980	1.575	1.120	1.338	3.218	2.594	---	---	1.526	1.335	1.875	1.722	2.045	---	1980
1981	1.344	2.438	2.320	3.809	2.757	2.103	1.579	---	---	---	2.635	2.300	---	1981
1982	1.593	1.403	1.447	3.555	3.804	1.510	1.263	1.261	1.534	1.330	2.003	2.008	1.894	1982
1983	1.889	1.530	2.134	3.957	3.862	2.426	---	---	1.057	---	---	3.021	---	1983
1984	---	---	1.807	4.080	4.534	3.082	2.547	1.460	1.099	---	---	1.275	---	1984
1985	1.167	1.098	1.408	2.432	3.116	1.868	1.672	1.233	0.931	1.028	---	1.249	---	1985
MEAN	1.577	1.663	1.988	3.449	3.798	2.058	1.481	1.247	1.262	1.525	1.787	1.880	1.995	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 51 58 N
LONG 66 27 40 W REGULATED

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AD002

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	5.712 AT 0959 AST ON MAY 7	5.681 ON MAY 7	0.911 ON AUG 1	1971
1972	6.088 AT 0341 AST ON MAY 17	6.059 ON MAY 15	0.795 ON FEB 12	1972
1973	7.108 AT 1200 AST ON MAY 1 *	7.098 ON MAY 1 *	0.774 ON OCT 7	1973
1974	6.309 AT 1829 AST ON MAY 3	6.288 ON MAY 3	---	1974
1975	5.200 AT 1912 AST ON MAY 14	5.194 ON MAY 14	0.719 ON SEP 1 *	1975
1976	5.850 AT 1148 AST ON APR 7	5.822 ON APR 7	---	1976
1977	6.028 AT 1700 AST ON APR 25	5.995 ON APR 25	0.884 ON SEP 11	1977
1978	5.575 AT 1514 AST ON MAY 12	5.557 ON MAY 12	0.753 ON SEP 28	1978
1979	6.471 AT 0300 AST ON MAY 2	6.435 ON MAY 2	1.123 ON DEC 16	1979
1980	4.545 AT 1223 AST ON APR 16	---	---	1980
1981	6.286 AT 0301 AST ON APR 12	5.194 ON APR 12	1.080 ON FEB 1	1981
1982	6.206 AT 1802 AST ON APR 29	6.181 ON APR 29	0.949 ON OCT 31	1982
1983	6.240 AT 1230 AST ON APR 28	6.230 ON APR 28	0.906 ON SEP 18	1983
1984	6.259 AT 0632 AST ON MAY 3	6.216 ON MAY 3	0.887 ON OCT 6	1984
1985	3.985 AT 1439 AST ON MAY 1	3.951 ON MAY 1	0.777 ON NOV 4	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	0.25	0.14	0.07	0.98	3.09	0.65	0.20	0.09	0.05	0.10	0.61	0.86	0.59	1923
1924	0.37	0.21	0.19	0.88	2.84	0.88	0.17	0.14	0.26	0.16	0.16	0.34	0.55	1924
1925	0.12	0.18	0.85	1.58	1.74	0.61	0.37	0.28	0.20	1.07	1.39	0.70	0.74	1925
1926	0.26	0.18	0.12	0.52	3.01	1.25	0.40	0.16	0.16	0.84	1.18	0.61	0.71	1926
1927	0.30	0.21	0.28	---	1.87	1.32	0.48	0.57	0.47	0.79	1.44	1.27	---	1927
1928	0.89	0.35	0.21	1.77	2.40	1.28	0.49	0.43	0.22	0.37	0.80	0.39	0.77	1928
1929	0.49	0.22	0.26	1.38	2.50	0.98	0.45	0.22	0.07	0.27	0.38	0.17	0.62	1929
1930	0.38	0.27	0.79	1.68	2.04	0.95	0.72	0.51	0.33	0.23	0.21	0.28	0.70	1930
1931	0.11	0.07	0.22	1.93	1.31	0.97	0.54	0.38	0.43	0.86	1.13	0.43	0.70	1931
1932	0.73	0.52	0.46	2.39	1.83	0.86	0.75	0.56	0.63	0.94	1.26	0.67	0.97	1932
1933	0.46	0.44	0.43	1.75	2.45	1.17	0.66	0.33	0.47	0.83	0.88	0.52	0.87	1933
1934	0.33	0.39	0.54	2.81	2.67	0.91	0.62	0.43	0.25	0.35	0.82	0.87	0.82	1934
1935	0.56	0.31	0.35	1.64	2.20	1.15	0.78	0.34	0.26	0.28	0.50	0.75	0.76	1935
1936	0.65	0.44	1.90	2.27	2.12	1.24	0.61	0.38	0.48	0.78	1.08	0.93	1.07	1936
1937	0.81	0.56	0.54	1.44	2.16	1.08	0.52	0.50	0.43	0.55	1.30	0.93	0.90	1937
1938	0.63	0.62	0.55	1.78	2.14	0.80	0.96	0.63	0.87	0.83	0.78	1.37	1.00	1938
1939	0.58	0.47	0.64	1.14	2.82	1.20	0.80	0.96	0.61	0.82	1.23	0.91	1.01	1939
1940	0.52	0.41	0.38	1.58	2.44	1.25	1.06	0.43	0.72	0.85	1.29	0.74	0.86	1940
1941	0.69	0.44	0.39	1.91	1.94	0.85	1.03	0.63	0.86	0.94	1.30	0.85	0.85	1941
1942	0.74	0.50	0.83	1.62	2.65	1.21	0.73	0.35	0.31	0.40	0.80	0.51	0.87	1942
1943	0.28	0.40	0.47	0.89	2.85	1.52	0.81	0.78	0.84	0.99	1.75	0.80	0.98	1943
1944	0.31	0.27	0.33	0.93	1.77	0.74	0.56	0.45	0.50	1.16	1.50	0.78	0.77	1944
1945	0.75	0.53	0.82	2.92	2.22	1.17	1.04	0.56	0.48	1.03	1.05	0.57	1.10	1945
1946	0.65	0.47	0.89	1.72	2.70	1.03	0.49	0.37	0.33	0.41	0.65	0.65	0.87	1946
1947	0.52	0.65	0.83	1.59	3.10	2.02	0.91	0.67	0.38	0.29	0.43	0.34	0.98	1947
1948	0.32	0.29	0.48	1.67	2.19	1.21	0.58	0.50	0.31	0.55	1.12	1.05	0.86	1948
1949	0.84	0.38	0.49	2.04	1.55	0.89	0.52	0.35	0.45	0.56	0.91	1.02	0.84	1949
1950	1.00	0.58	0.54	1.71	1.89	0.92	0.81	0.37	0.50	---	1.32	---	---	1950
1951	---	---	---	2.69	1.70	0.95	1.09	---	---	0.56	1.35	0.99	---	1951
1952	0.79	0.87	---	---	2.47	1.69	---	0.29	---	---	---	---	---	1952
1953	---	---	---	---	2.03	---	---	---	---	---	---	1.37	---	1953
1954	---	---	---	---	---	---	---	---	---	---	1.47	1.31	---	1954
1955	0.90	0.81	---	2.20	2.72	1.22	---	---	0.40	0.48	0.49	0.38	---	1955
1956	---	---	---	1.59	2.20	---	---	---	---	---	0.83	---	---	1956
1957	---	---	---	---	---	---	---	---	---	0.43	---	---	---	1957
1958	1.48	---	0.90	2.25	2.41	---	0.95	---	1.08	---	1.03	---	---	1958
1959	---	---	0.57	1.86	1.90	1.18	0.74	---	---	---	1.48	1.91	---	1959
1960	0.84	0.90	---	2.14	2.88	1.04	---	---	---	0.83	1.48	1.91	---	1960
1961	0.33	0.25	0.32	1.44	3.51	2.14	0.72	0.47	0.75	1.12	0.91	1.12	1.09	1961
1962	0.74	0.54	0.54	1.88	1.60	1.00	0.97	0.95	0.83	0.83	1.72	1.01	1.03	1962
1963	0.71	0.61	0.84	1.66	3.18	1.08	0.76	0.84	1.20	1.07	2.11	1.30	1.25	1963
1964	0.83	0.59	0.89	1.60	1.83	1.00	0.84	0.56	0.52	0.50	0.73	1.10	0.87	1964
1965	1.00	0.80	0.82	1.12	1.49	0.90	0.44	0.42	0.49	0.78	0.87	0.77	0.81	1965

ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM

1966	0.97	1.00	1.444	2.227	2.300	---	---	---	---	---	1.520	---	---	1966
1967	---	---	---	1.548	3.072	1.883	1.189	0.980	1.380	1.755	1.318	1.593	---	1967
1968	---	1.414	1.359	3.065	1.918	1.074	---	0.807	0.739	0.847	1.171	1.374	---	1968
1969	1.010	1.015	1.062	2.188	3.360	1.714	1.150	1.176	---	1.172	1.803	1.725	---	1969
1970	1.327	1.891	1.133	1.835	2.897	1.700	1.247	---	---	---	---	1.230	---	1970
1971	---	1.363	---	2.377	---	---	1.001	0.984	1.241	1.121	1.083	1.024	---	1971
1972	1.052	0.961	1.250	1.807	3.803	2.141	1.374	1.256	1.225	1.413	1.761	1.553	1.636	1972
1973	1.368	1.727	1.630	2.848	3.622	1.844	1.514	1.355	1.034	0.948	0.988	1.945	1.781	1973
1974	1.523	1.202	1.492	2.027	3.576	1.861	1.338	0.988	0.957	1.137	1.047	1.832	1.577	1974
1975	1.158	1.018	1.208	1.977	3.199	1.936	1.071	0.958	0.914	1.033	1.528	1.490	1.480	1975
1976	1.272	1.867	1.514	3.433	3.009	1.592	1.540	1.725	1.368	1.828	1.822	1.283	1.850	1976
1977	1.271	1.112	1.370	2.869	3.078	2.214	1.388	1.119	1.096	2.233	1.645	1.399	1.736	1977
1978	---	---	---	2.193	3.214	1.532	1.158	0.910	0.876	0.875	0.985	0.843	---	1978
1979	1.578	1.476	2.339	2.987	3.075	1.989	1.091	1.134	1.445	1.403	1.573	1.351	1.784	1979
1980	1.277	0.970	1.083	2.385	2.087	1.185	1.270	1.325	1.147	1.507	1.437	1.589	1.448	1980
1981	1.130	1.776	1.833	2.805	2.121	1.747	1.350	1.771	1.362	1.896	2.102	1.875	1.812	1981
1982	---	---	1.140	2.441	2.836	1.295	1.096	1.089	1.289	1.184	1.566	1.595	---	1982
1983	1.348	1.250	---	2.767	2.978	1.917	1.144	1.039	0.923	0.995	---	---	---	1983
1984	---	1.404	1.456	2.831	3.383	2.343	2.014	1.259	0.876	0.885	1.071	1.101	---	1984
1985	1.024	0.983	1.152	1.784	2.414	1.858	1.397	1.082	0.841	0.906	1.182	1.079	1.294	1985

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 31 11 N
LONG 66 04 44 W REGULATED

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

NEW BRUNSWICK

SAINT JOHN RIVER AT DAK POINT - STATION NO. 01AP003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1923	---	5.08 ON MAY 8	0.00 ON JAN 1	1923
1924	---	3.29 ON MAY 20	0.00 ON FEB 18	1924
1925	---	---	---	1925
1926	---	2.32 ON MAY 10	0.00 ON JAN 16	1926
1927	---	3.69 ON MAY 13	0.03 ON SEP 7	1927
1928	---	---	---	1928
1929	---	2.76 ON MAY 15	0.08 ON MAR 14	1929
1930	---	3.29 ON MAY 11	-0.05 ON SEP 16	1930
1931	---	2.93 ON MAY 12	0.06 ON DEC 29	1931
1932	---	2.14 ON APR 8	0.00 ON JAN 28	1932
1933	---	3.29 ON APR 19	0.28 ON FEB 25	1933
1934	---	3.39 ON MAY 5	0.06 ON AUG 24	1934
1935	---	4.91 ON APR 26	0.03 ON JAN 5	1935
1936	---	3.54 ON MAY 3	0.03 ON SEP 3	1936
1937	---	4.33 ON MAR 25	0.16 ON MAR 11	1937
1938	---	2.59 ON MAY 9	0.22 ON JUL 28	1938
1939	---	2.85 ON MAY 3	0.31 ON JAN 6	1939
1940	---	3.72 ON MAY 15	0.31 ON JAN 23	1940
1941	---	3.26 ON MAY 9	0.19 ON FEB 15	1941
1942	---	3.51 ON APR 26	0.22 ON JAN 31	1942
1943	---	3.83 ON MAY 8	0.09 ON SEP 12	1943
1944	---	3.08 ON MAY 22	0.03 ON JAN 23	1944
1945	---	2.32 ON MAY 14	0.03 ON FEB 13	1945
1946	---	3.63 ON APR 17	0.22 ON AUG 24	1946
1947	---	3.23 ON MAY 3	0.08 ON OCT 3	1947
1948	---	3.78 ON MAY 13	0.18 ON OCT 5	1948
1949	---	2.78 ON MAY 25	0.03 ON FEB 16	1949
1950	---	2.50 ON APR 20	0.16 ON SEP 13	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	4.27 ON MAY 19	0.19 ON FEB 20	1962
1963	---	2.32 ON APR 3	0.43 ON FEB 24	1963
1964	---	4.09 ON MAY 7	0.48 ON FEB 17	1964
1965	---	2.75 ON APR 23	0.28 ON SEP 23	1965
	ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM	1.77 ON MAY 10	0.18 ON AUG 13	
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	3.877 AT 0140 AST ON MAY 6	3.783 ON MAY 7	0.811 ON DEC 22	1970
1971	3.923 AT 0300 AST ON MAY 10	3.840 ON MAY 9	0.765 ON AUG 2	1971
1972	4.581 AT 0925 AST ON MAY 19	4.517 ON MAY 19	0.713A ON FEB 10	1972
1973	5.739 AT 0348 AST ON MAY 3	5.651 ON MAY 3	0.736 ON OCT 8	1973
1974	4.417 AT 0328 AST ON MAY 6	4.325 ON MAY 6	0.756E ON SEP 12	1974
1975	3.862 AT 0508 AST ON MAY 15	3.749 ON MAY 15	0.698 ON AUG 30	1975
1976	4.072 AT 1041 AST ON APR 9	4.023 ON APR 9	0.972 ON JAN 12	1976
1977	4.154 AT 2323 AST ON APR 28	4.097 ON APR 30	0.782 ON SEP 10	1977
1978	3.847 AT 0845 AST ON MAY 1	3.749 ON MAY 1	0.698 ON SEP 30	1978
1979	4.740 AT 2038 AST ON MAY 3	4.690 ON MAY 3	0.894 ON AUG 5	1979
1980	3.417 AT 0328 AST ON APR 17	3.208 ON APR 17	0.689 ON MAR 13	1980
1981	3.742 AT 0622 AST ON APR 10	3.622 ON APR 12	0.867 ON FEB 1	1981
1982	4.243 AT 0840 AST ON MAY 1	---	---	1982
1983	4.477 AT 1554 AST ON APR 29	4.402 ON APR 29	0.781 ON SEP 19	1983
1984	4.528 AT 0426 AST ON MAY 5	4.480 ON MAY 5	0.755 ON NOV 4	1984
1985	3.108 AT 0323 AST ON MAY 7	2.860 ON MAY 7	0.674 ON NOV 5	1985

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

E - ESTIMATED

SAINT JOHN RIVER AT DROMOCTO - STATION NO. 01AD001

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	3.27	1.31	1.81	---	---	1.37	---	---	---	1919
					3.91	1.33	0.87	0.56	0.64	0.87	---	---	---	
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	0.82	0.53	1.68	3.56	3.73	1.24	1.24	0.67	1.15	1.81	---	---	---	1921
1922	0.43	0.38	1.11	2.68	2.19	0.62	0.42	0.56	0.46	0.82	0.98	0.66	1.16	1922
1923	0.47	0.33	0.36	2.01	2.01	2.10	1.70	0.84	0.57	0.50	0.56	0.43	1.10	1923
1924	0.73	0.53	0.54	1.56	4.35	1.45	0.52	0.41	0.55	0.40	1.08	1.55	---	1924
										0.48	0.67	0.65	1.02	
1925	0.37	0.52	1.24	2.71	---	1.08	0.73	0.57	0.49	1.75	2.35	1.52	---	1925
1926	0.69	0.52	0.45	1.18	4.51	1.91	0.73	0.48	0.81	1.21	1.99	1.25	1.29	1926
1927	0.74	0.59	0.75	2.35	2.80	2.10	0.87	0.99	0.75	1.20	2.43	2.76	1.51	1927
1928	1.52	0.83	0.89	2.87	2.87	2.03	0.92	0.85	0.58	0.78	1.08	0.97	1.43	1928
1929	1.08	0.86	0.72	2.41	3.79	1.57	0.87	0.49	0.36	0.58	0.78	0.45	1.14	1929
1930	0.89	0.71	1.48	2.76	3.38	1.86	1.26	0.92	0.86	0.51	0.55	---	---	1930
1931	0.45	0.41	0.59	3.05	1.94	1.40	0.78	0.51	0.60	1.35	1.80	0.68	1.11	1931
1932	1.13	0.77	0.88	3.70	2.71	1.18	1.04	0.95	1.01	1.44	1.84	1.05	1.47	1932
1933	0.67	0.62	0.84	2.76	3.82	1.82	0.83	0.45	0.58	1.085	1.149	---	---	1933
1934	---	0.819	0.858	4.003	3.450	---	---	---	---	0.823	---	1.330	---	1934
1935	0.841	---	0.828	2.815	3.070	1.782	---	---	0.382	0.948	0.880	0.970	---	1935
1936	0.896	0.804	3.018	3.184	3.356	1.763	---	---	0.648	---	1.437	1.359	---	1936
1937	---	---	---	2.308	---	---	---	---	---	---	1.818	1.328	---	1937
1938	---	0.883	0.942	2.808	3.040	1.178	1.487	0.985	1.217	---	---	2.274	---	1938
1939	---	0.859	---	1.841	3.983	1.575	1.081	1.443	0.825	1.247	1.712	---	---	1939
1940	0.893	---	---	---	3.645	1.884	1.517	0.588	0.876	---	1.738	---	---	1940
1941	---	0.714	---	3.004	2.648	1.132	1.384	0.767	0.875	1.388	1.838	1.030	---	1941
1942	1.038	0.885	1.139	2.529	3.569	1.774	0.929	---	---	---	0.753	0.622	---	1942
1943	---	0.466	0.881	1.272	4.009	2.044	1.023	0.970	0.808	1.388	2.399	0.874	---	1943
1944	0.432	0.312	0.389	1.218	2.877	1.009	0.703	0.545	0.521	1.639	1.854	0.854	1.036	1944
1945	1.131	---	1.298	4.226	3.127	1.568	1.405	0.748	0.738	1.288	1.374	0.883	---	1945
1946	0.758	---	1.528	2.558	3.850	1.325	---	0.571	0.488	0.818	0.814	0.553	---	1946
1947	0.763	1.270	1.128	2.454	4.718	2.788	1.268	0.850	0.583	---	0.536	0.483	---	1947
1948	---	---	---	---	3.273	1.598	0.777	---	0.424	---	1.648	1.457	---	1948
1949	1.412	0.727	---	---	---	---	---	---	---	---	---	---	---	1949
MEAN	0.822	0.624	0.980	2.801	3.395	1.553	1.018	0.721	0.853	1.028	1.384	1.198	1.224	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 45 51 20 N
LONG 65 28 20 W NATURAL FLOW

SAINT JOHN RIVER AT DROMOCTO - STATION NO. 01AD001

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	4.15 ON APR 2	0.31 ON JUL 30	1922
1923	---	4.84 ON JUN 24	0.22 ON DEC 30	1923
1924	---	---	---	1924
1925	---	5.04 ON MAY 7 *	0.22 ON NOV 7	1925
1926	---	---	---	1926
1927	---	4.97 ON MAY 9	0.31 ON MAR 3	1927
1928	---	4.73 ON APR 25	0.34 ON OCT 5	1928
1929	---	4.58 ON MAY 10	0.43 ON OCT 14	1929
1930	---	4.85 ON MAY 8	0.25 ON SEP 11	1930
1931	---	4.73 ON MAY 10	0.25 ON NOV 7	1931
1932	---	3.46 ON APR 5	0.25 ON JAN 28	1932
1933	---	4.79 ON APR 10	0.45 ON FEB 21	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	3.749 ON MAY 9	0.000 ON MAR 18 -	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	0.995	---	---	1.449	---	1.843	1.061	0.843	1.235	1.848	1.238	1.455	---	1967
1968	---	---	---	2.885	---	---	0.859	0.687	0.681	---	1.167	1.305	---	1968
1969	---	---	1.016	2.069	3.188	1.626	---	---	1.339	---	---	1.894	---	1969
1970	1.237	---	1.033	---	2.855	1.512	1.181	1.084	1.085	---	---	---	---	1970
1971	---	---	1.263	2.316	3.096	1.310	---	0.941	1.205	1.117	1.088	1.030	---	1971
1972	1.125	0.987	1.135	1.737	3.850	2.038	1.349	1.193	1.163	1.380	1.857	1.493	1.593	1972
1973	1.311	1.852	1.763	2.886	3.496	1.789	1.431	1.312	0.989	0.836	0.956	1.863	1.685	1973
1974	1.457	1.126	1.377	1.954	3.498	1.713	1.288	0.948	0.900	1.072	1.054	1.613	1.505	1974
1975	1.108	0.945	1.104	1.879	3.035	1.821	0.949	0.782	0.785	0.953	1.413	1.386	1.345	1975
1976	1.155	1.745	1.427	3.323	2.898	1.514	1.451	1.848	1.320	1.762	1.775	1.201	1.788	1976
1977	1.155	1.004	1.270	2.770	2.983	2.127	1.324	1.088	1.075	2.185	1.681	1.343	1.858	1977
1978	---	---	---	---	3.053	1.488	1.079	0.851	0.847	0.942	0.949	0.952	---	1978
1979	1.585	1.423	2.223	2.850	3.958	1.918	1.071	1.105	1.390	1.380	1.648	1.322	1.729	1979
1980	1.216	0.918	1.032	2.290	2.009	1.090	1.113	1.178	0.986	1.487	1.488	1.598	1.386	1980
1981	1.084	---	---	2.701	3.041	---	1.302	1.705	1.387	1.843	2.040	1.827	---	1981
1982	1.224	1.047	1.063	2.359	2.775	1.248	1.071	1.061	1.242	1.132	---	---	---	1982
1983	---	1.145	1.603	2.879	2.734	1.832	1.120	1.004	---	0.963	1.630	---	---	1983
1984	---	---	1.382	2.717	3.240	2.292	1.879	1.139	0.848	0.788	0.907	---	---	1984
1985	---	---	1.091	1.700	2.278	1.604	1.287	1.033	---	0.687	1.122	---	---	1985
MEAN	1.221	1.187	1.319	2.376	2.929	1.679	1.228	1.086	1.087	1.275	1.363	1.430	1.581	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 16 27 N
LONG 66 05 31 W REGULATED

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	3.731 AT 0145 AST ON MAY 7	3.542 ON MAY 6	---	1970
1971	3.847 AT 0007 AST ON MAY 10	3.694 ON MAY 9	---	1971
1972	---	4.368E ON MAY 18	0.696 ON MAR 12	1972
1973	5.310 AT 0006 AST ON MAY 3 *	5.188 ON MAY 3 *	0.732 ON OCT 6	1973
1974	4.307 AT 0016 AST ON MAY 6	4.145 ON MAY 5	0.738 ON SEP 12	1974
1975	3.749A AT 0233 AST ON MAY 15	3.557A ON MAY 15	0.469E ON SEP 2 *	1975
1976	3.950 AT 0857 AST ON APR 9	3.850 ON APR 9	0.853A ON JAN 12	1976
1977	4.109 AT 0003 AST ON MAY 4	3.956 ON APR 30	0.738 ON SEP 10	1977
1978	3.725 AT 2033 AST ON MAY 1	3.572 ON MAY 1	0.656 ON SEP 27	1978
1979	4.543 AT 1800 AST ON MAY 3	4.479 ON MAY 3	0.859 ON AUG 5	1979
1980	3.341 AT 0323 AST ON APR 17	3.098 ON APR 17	0.842 ON MAR 13	1980
1981	3.885 AT 0413 AST ON APR 10	3.698 ON APR 12	0.822 ON FEB 1	1981
1982	4.145 AT 0537 AST ON MAY 1	---	---	1982
1983	4.431 AT 0321 AST ON APR 30	4.313 ON APR 30	0.723A ON SEP 15	1983
1984	---	4.260 ON MAY 5	0.821 ON NOV 3	1984
1985	2.941 AT 0327 AST ON MAY 7	2.705 ON MAY 7	0.680 ON FEB 4	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ009

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	44.202	43.367	43.221	---	---	42.384	---	---	42.475	43.058	42.837	---	---	1980
1981	---	44.937	---	---	---	---	---	43.629	42.789	43.734	43.474	42.972	---	1981
1982	---	---	43.985	45.245	44.710	42.567	42.210	42.181	42.648	---	---	---	---	1982
1983	45.219	44.659	44.725	45.309	44.700	43.480	42.274	42.188	42.188	42.312	43.433	44.301	43.732	1983
1984	44.382	43.674	43.591	45.358	46.290	43.973	43.026	42.598	42.180	42.058	42.367	42 18	43.488	1984
1985	43.424	42.639	42.891	43.956	44.199	42.859	42.905	42.383	43.039	43.210	42.442	43.310	42.967	1985
MEAN	44.307	43.895	43.683	44.967	44.725	43.047	42.779	42.895	42.383	42.874	42.875	43.325	43.391	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 20 15 N DRAINAGE AREA, 35 000 km²
LONG 67 33 19 W REGULATED

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ009

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	46.053 AT 0302 AST ON APR 15	---	---	1980
1981	46.351 AT 1844 AST ON FEB 26 *	46.882 ON FEB 26	41.844 ON AUG 2	1981
1982	47.634 AT 1550 AST ON APR 26	---	---	1982
1983	46.100 AT 2223 AST ON APR 19	47.999 ON APR 19 *	41.874 ON JUL 3	1983
1984	47.495 AT 1548 AST ON MAY 2	47.423 ON MAY 2	41.800 ON NOV 5 *	1984
1985	46.124 AT 1116 AST ON APR 28	45.095 ON APR 28	41.805 ON SEP 24	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT WOODSTOCK - STATION NO. 01AJ002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	---	---	---	4.216	---	---	1982
1983	3.841	3.314	3.087	3.729	---	---	---	---	---	---	---	---	---	1983
1984	---	---	---	---	---	---	---	---	2.156	2.110	2.506	3.322	---	1984
1985	---	3.206	3.272	3.347	4.032	2.992	---	2.108	2.598	3.168	3.024	2.760	---	1985
1986	3.025	3.049	3.704	4.577	4.633	---	2.106	1.791	---	2.670	3.504	---	---	1986
1987	2.618	---	2.619	---	5.276	3.302	---	2.460	---	3.784	---	---	---	1987
MEAN	3.161	3.189	3.173	3.918	4.647	3.147	2.106	2.120	2.377	2.933	3.313	3.038	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 46 09 22 N
LONG 67 34 25 W REGULATED

DATA CONTRIBUTED BY -
NEW BRUNSWICK ELECTRIC POWER COMMISSION

- -

SAINT JOHN RIVER BELOW MACTAQUAC - STATION NO. 01AK004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	---	4.032	4.520	---	1981
1982	4.788	---	---	---	---	4.345	4.329	4.293	3.898	3.838	5.330	4.512	---	1982
1983	4.441	4.371	4.342	6.002	7.125	4.083	3.848	4.203	4.677	---	5.827	5.830	---	1983
1984	---	---	4.418	5.745	5.348	4.087	3.831	---	3.538	3.526	3.836	5.771	---	1984
1985	---	---	5.029	5.807	4.707	3.863	---	---	3.513	3.942	3.901	4.043	---	1985
1986	3.966	4.030	4.999	5.538	5.153	3.788	3.257	---	3.022	3.595	4.258	4.238	---	1986
1987	4.193	3.929	3.885	4.574	5.988	4.091	3.518	3.437	4.257	4.472	3.439	---	---	1987
MEAN	4.352	4.110	4.736	5.493	5.664	4.043	3.757	3.976	3.818	3.878	4.379	4.788	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 44 N DRAINAGE AREA, 39 900 km^2
LONG 66 49 51 W REGULATED

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SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	114.568	---	114.487	116.084	116.858	116.995	116.313	116.281	---	---	---	---	1967
1969	---	115.480	114.901	115.703	117.182	117.281	116.782	116.530	116.417	115.963	115.802	116.458	---	1969
1970	117.290	117.404	116.859	116.877	117.642	117.203	116.924	116.834	116.525	116.416	116.166	115.981	116.815	1970
1971	---	---	115.850	116.520	117.342	117.080	116.176	116.142	114.702	114.563	114.273	114.251	---	1971
1972	114.438	114.581	---	115.512	117.100	117.441	117.271	116.578	116.058	115.648	---	116.540	---	1972
1973	---	---	---	117.376	117.559	117.318	117.401	117.372	116.957	116.124	115.421	115.770	---	1973
1974	116.583	115.939	115.967	116.888	117.528	117.513	117.327	116.821	116.312	116.221	115.892	116.132	116.880	1974
1975	116.120	115.648	115.375	115.948	117.068	117.380	117.123	116.585	116.093	116.116	116.104	116.887	116.369	1975
1976	116.881	117.298	117.223	117.409	117.543	117.434	117.288	117.208	116.975	117.096	117.268	116.842	117.178	1976
1977	116.494	115.684	114.962	116.485	117.421	117.470	117.137	116.449	116.098	116.523	115.984	117.002	116.553	1977
1978	117.383	116.478	115.198	115.781	117.298	116.847	116.243	115.898	115.423	115.278	115.246	115.189	116.001	1978
1979	115.838	116.138	116.486	117.419	117.472	117.338	116.982	116.335	116.800	116.594	116.859	116.721	116.578	1979
1980	116.318	115.708	115.223	116.113	116.893	116.806	116.882	116.746	116.402	116.683	116.864	117.081	116.445	1980
1981	116.743	116.604	116.834	117.305	117.188	116.782	116.491	116.227	116.218	116.985	117.128	117.184	116.810	1981
1982	116.880	115.896	115.432	116.439	117.314	116.886	116.374	115.981	115.[illegible]	115.434	116.826	116.147	116.181	1982
1983	116.424	116.274	116.081	117.158	117.367	117.352	116.927	116.224	115.[illegible]	115.034	115.019	116.363	116.305	1983
1984	116.589	116.186	116.198	116.640	117.341	117.416	117.371	116.296	115.[illegible]	114.776	114.881	114.782	116.117	1984
1985	114.810	114.756	115.034	115.862	116.057	116.277	116.479	116.387	115.806	115.169	115.000	115.288	115.668	1985
MEAN	116.325	115.910	115.827	116.418	117.179	117.128	116.841	116.439	116.082	115.910	115.887	116.129	116.430	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 34 09 N
LONG 67 39 41 W REGULATED SINCE 1967

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1967	---	---	---	1967
1968	117.491 AT 1715 AST ON JUN 1	117.485 ON JUN 1	114.702 ON MAR 25	1968
1970	117.815 AT 0115 AST ON MAY 7	117.804 ON FEB 12	115.827 ON DEC 31	1970
1971	117.515 AT 1015 AST ON MAY 5	117.503 ON MAY 5	114.151 ON NOV 25 *	1971
1972	117.567 AT 1635 AST ON MAY 23	117.558 ON MAY 23	114.346 ON JAN 2	1972
1973	117.775 AT 1141 AST ON MAY 1 *	117.769 ON MAY 1 *	115.199 ON DEC 5	1973
1974	117.613 AT 0152 AST ON MAY 2	117.571 ON MAY 2	115.763 ON FEB 19	1974
1975	117.454 AT 1100 AST ON JUN 19	117.448 ON JUN 19	115.233 ON MAR 19	1975
1976	117.601 AT 1753 AST ON MAY 19	117.580 ON MAY 21	115.299 ON DEC 26	1976
1977	117.577 AT 1443 AST ON JUN 13	117.571 ON JUN 13	114.705 ON MAR 13	1977
1978	117.558 AT 0819 AST ON JAN 16	117.549 ON JAN 15	115.047 ON MAR 21	1978
1979	117.594 AT 1436 AST ON APR 30	117.588 ON APR 30	115.169A ON JAN 1	1979
1980	117.212 AT 0230 AST ON DEC 17	117.189 ON DEC 17	115.101 ON MAR 14	1980
1981	117.631 AT 0343 AST ON APR 15	117.535 ON APR 12	115.027 ON SEP 18	1981
1982	117.434 AT 0157 AST ON APR 30	117.427 ON APR 30	115.347 ON MAR 22	1982
1983	117.517 AT 2130 AST ON JUN 6	117.487 ON JUN 6	114.850 ON NOV 5	1983
1984	117.582 AT 1314 AST ON JUL 12	117.561 ON JUN 3	114.586 ON NOV 10	1984
1985	116.590 AT 1022 AST ON JUL 20	116.579 ON JUL 20	114.728 ON FEB 12	1985

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEJIMKUJIK LAKE - STATION NO. 01ED006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	1.400	1.195	1.023	1.728	1.254	0.932	0.678	0.611	0.530	0.597	1.037	1.372	1.028	1969
1970	1.247	1.327	0.928	1.435	1.165	1.041	0.720	0.734	0.906	1.120	1.258	1.187	1.067	1970
1971	1.035	1.493	1.402	1.746	1.418	1.032	0.632	0.707	0.812	0.897	0.775	1.450	1.096	1971
1972	1.449	1.140	1.472	1.480	1.748	1.137	0.865	0.623	0.518	0.844	1.279	1.598	1.178	1972
1973	1.317	1.436	1.419	1.387	1.350	1.163	1.366	1.220	0.812	0.804	0.835	1.428	1.193	1973
1974	1.273	1.252	1.606	1.398	0.983	1.047	0.798	0.626	0.807	1.082	1.333	1.468	1.146	1974
1975	1.287	1.031	1.135	1.888	1.227	0.909	0.632	0.541	0.532	0.812	1.195	1.613	1.038	1975
1976	1.584	1.583	1.401	1.401	1.495	0.924	1.195	0.846	0.705	0.992	1.320	1.305	1.229	1976
1977	1.366	1.102	1.348	1.726	1.144	1.086	0.823	0.975	0.961	1.841	1.317	1.425	1.252	1977
1978	1.795	1.327	0.825	1.565	1.168	0.878	0.639	0.467	0.383	0.454	0.717	0.943	0.834	1978
1979	1.657	1.468	1.699	1.401	1.225	1.198	0.743	0.856	0.985	1.173	1.467	1.324	1.289	1979
1980	---	---	1.239	1.508	1.071	0.729	0.672	0.561	0.436	0.510	---	1.520	---	1980
1981	1.223	1.539	1.402	1.582	1.102	0.972	0.846	0.686	0.647	0.948	1.457	1.704	1.190	1981
1982	---	---	---	1.549	1.300	0.778	0.858	0.755	0.656	0.574	0.667	1.103	---	1982
1983	1.249	1.129	1.414	1.483	1.300	1.099	0.656	0.559	0.519	0.580	0.883	---	---	1983
1984	---	---	---	1.473	1.248	1.011	0.870	0.793	0.761	0.674	0.840	0.934	---	1984
1985	0.981	0.925	1.491	1.481	1.236	1.176	0.939	0.682	---	---	0.988	1.016	---	1985
MEAN	1.345	1.287	1.340	1.519	1.251	1.007	0.831	0.738	0.692	0.831	1.072	1.337	1.138	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 44 22 58 N
LONG 65 12 23 W NATURAL FLOW

KEJIMKUJIK LAKE - STATION NO. 01ED006

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	1.935 AT 2359 AST ON DEC 30	1.929 ON DEC 30	0.512 ON SEP 26	1969
1970	1.926 AT 0001 AST ON JAN 1	1.911 ON JAN 1	0.573 ON AUG 11	1970
1971	2.143 AT 1515 AST ON APR 19	2.143 ON APR 19	0.555 ON AUG 11	1971
1972	1.998 AT 0114 AST ON MAY 9	1.990 ON MAY 9	0.482 ON SEP 28	1972
1973	1.795 AT 2100 AST ON MAR 21	1.786 ON MAR 21	0.552 ON OCT 26	1973
1974	---	1.780 ON MAR 1	0.570 ON AUG 17	1974
1975	---	1.905E ON DEC 31	0.466 ON SEP 1	1975
1976	---	1.905E ON JAN 1	0.543 ON SEP 5	1976
1977	2.094 AT 0419 AST ON APR 10	2.085 ON APR 9	0.759 ON SEP 13	1977
1978	2.237 AT 0930 AST ON JAN 19	2.234 ON JAN 19	0.354 ON SEP 8 *	1978
1979	2.380 AT 1045 AST ON MAR 16 *	2.365 ON MAR 16 *	0.543 ON JUL 27	1979
1980	---	---	---	1980
1981	---	1.922 ON APR 9	0.592 ON SEP 23	1981
1982	---	---	---	1982
1983	1.822 AT 1541 AST ON MAR 25	1.819 ON MAR 25	0.503 ON AUG 30	1983
1984	---	1.836 ON MAR 23	0.519 ON OCT 28	1984
1985	---	1.836 ON MAR 18	0.541 ON OCT 14	1985

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

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CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS	03OE003	2
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